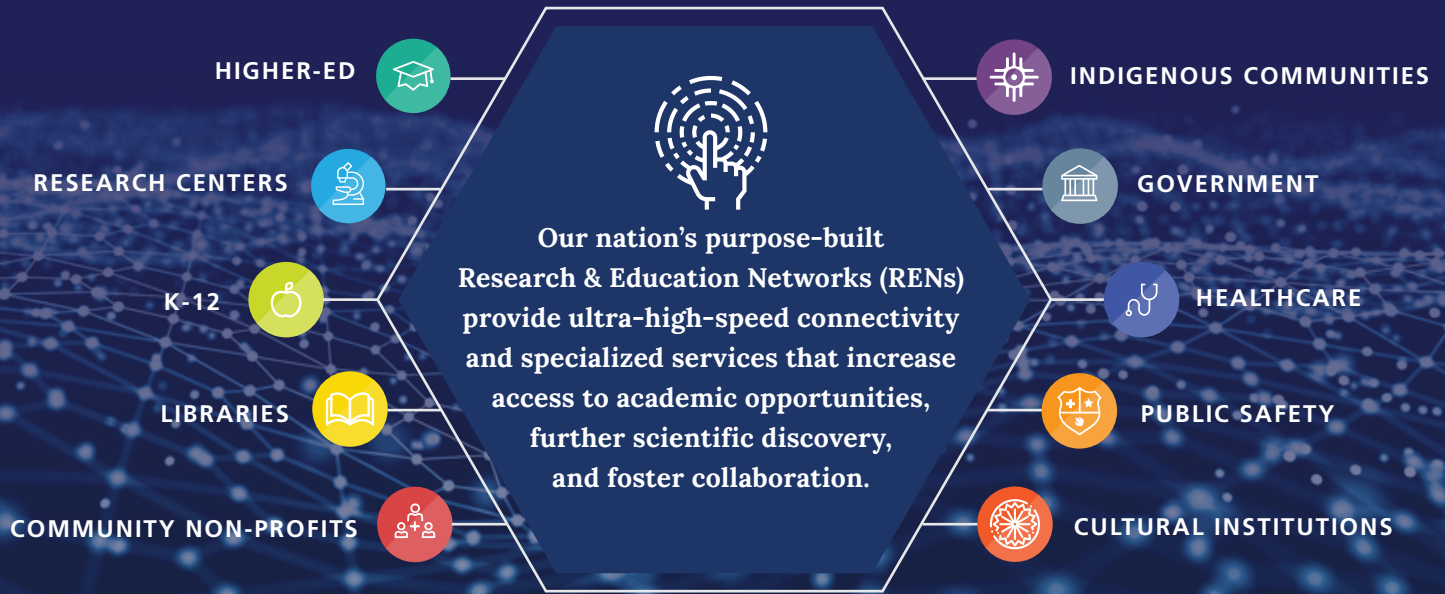


Today's Non-Profit Research and Education Networks: Critical Infrastructure Powering Our Nation's Most Important Work



The Nation's RENs Provide Their Users With:

The Fastest, Most Advanced Network Services and Applications - Powering big data sharing across states, the country, and the globe.

- Offer secure, resilient, high-capacity, high-performance networks that spark innovative collaboration and opportunities.
- Create resilient connections for enhanced end-user continuity through geographic and provider-diverse networks.
- Optimize advanced cloud services for demanding applications, network security, and research.
- Strategically manage network traffic with peering and caching partners resulting in the most cost-effective and optimized network performance path for end-users.
- Interconnect with the U.S. National Research and Education Network, Internet2, as well as other federal agency mission-driven science networks so that a member connection to a single REN links end-users to the national and global research and education network fabric.

Powerful Partnerships - Driving innovation amongst academic, research, governmental, and commercial partners.

- Leverage our unique position in state broadband landscapes to forge strategic relationships with a variety of industry and other partners.
- Promote a "to-and-through" community anchor institution strategy with strategic partners to deliver economical internet connectivity to unserved and underserved areas.
- Facilitate vibrant member communities of practice that are founded on common interest uses for REN technology solutions.
- Offer operational transparency through member-directed governance model.
- Minimize costs and maximize benefits across end-users through economies of scale and shared cost recovery models.

Highly Secure Network Infrastructure - Protecting our users' most valuable data assets and discoveries.

- Bolster individual end-user cybersecurity operational protections as well as response and mitigation strategies by facilitating REN Security Communities of Practice.
- Augment user institution security resources to identify network threats and vulnerabilities by monitoring active threats from information sharing and analysis centers.
- Provide next-generation firewall services and robust disaster recovery solutions.
- Adopt the Mutually Agreed Norms for Routing Security (MANRS) – a global initiative that provides crucial fixes to reduce the most common network routing threats.
- Offer incident response assistance and incident escalation services.

Research & Education Networks are the Ultimate Facilitators of Innovation, Including:

Artificial Intelligence Applications
Digital Humanities
Digital Learning
Digital Archiving

Smart Cities
Earthquake Sensing
Genomic Research
State Broadband Moonshot Initiatives
Precision Agriculture

Climate Modeling
Global Health Research
Wildfire Science
And much more!

To learn more about how RENs can transform and enrich your organization's mission and goals and find one in your state or region, visit www.thequilt.net